

SUBJECT: SOIL EROSION

CATEGORY: USLE – RELATION TO "T" VALUE

QUALIFIERS: 1997 CULTIVATED CROPLAND

REPORTING UNIT: AREA (THOUSANDS OF ACRES)

GEOGRAPHIC AREA: MISSOURI MAJOR LAND RESOURCE AREA 116B

TABLE: SUMMARY OF SHEET AND RILL EROSION IN RELATION TO "T" VALUES ON CULTIVATED CROPLAND BY "T" CATEGORIES FOR MLRA 116B

	> T <= 2T	> 2T <= 3T	> 3T <= 4T	>4T <= 5T	> 5T
acres eroding above "t"	155	38	12	11	10
% of total mlra cultivated cropland	31%	8%	2%	2%	2%
% of total mlra cultivated cropland eroding above "t"	69%	17%	5%	5%	4%
% of total state cultivated cropland	1%	<1%	<1%	<1%	<1%
% of total state cultivated cropland eroding above "t"	4%	1%	<1%	<1%	<1%
% of total state cultivated cropland in "t" category	8%	5%	3%	4%	2%

MLRA 116B: TOTAL SURFACE AREA = 7769

TOTAL ACRES OF CULTIVATED CROPLAND = 492

TOTAL ACRES OF CULTIVATED CROPLAND ERODING ABOVE "T" = 226

MISSOURI: TOTAL ACRES OF CULTIVATED CROPLAND = 10513

TOTAL ACRES OF CULTIVATED CROPLAND ERODING ABOVE "T" = 3928

* USLE - Universal Soil Loss Equation. This equation estimates average annual soil loss from sheet and rill erosion. Location specific data for the field in which the NRI point falls or that portion of the field surrounding the point that would be considered in conservation planning are used in the NRI calculation. "T" Factor - The maximum rate of annual soil erosion that will permit crop productivity to be sustained economically and indefinitely.

DATA SOURCE: 1997 NATIONAL RESOURCES INVENTORY (REVISED DECEMBER 2000)

